

Appl. No. 10/552,022
Amdt. dated 11 / 20 / 2007
Reply to Office action of 08 / 21 / 2007

CLAIMS

1-6 (CANCELED)

7 (CURRENTLY AMENDED): A controlling instrument which can be carried during use, acting as an interface between [[the]] a user and a system or systems for generation, management, transmission and reception of electronic and computerised computerized signals or languages which enable the triggering, control and stopping of electronic, electrical, audible, visual and mechanical events, the controlling instrument comprises a flexible handling bar (1) on which juxtaposed finger control zones (3) and control strips (CS) tautened on a support (9) said controlling instrument allows the combination of three means of command, the first means of command is allowed by finger controls zones (3) which are juxtaposed on a handling bar (1), the second means of command is allowed by the fact that the handling bar (1) is flexible with a sensor of bending of the flexible handling bar (1), the flexible handling bar (1) can return to its initial position or initial shape after the stopping of a bending stress, the third means of command is allowed by control strips (CS) which are tautened on a support (9) with a sensor of bending of the control strips (CS), the support (9) is attached to the flexible handling bar (1); said second means of command, the flexibility of the handling bar and his sensor of bending, are used to apply modulations to the events triggered by the finger control zones (3) which are juxtaposed on the flexible handling bar (1) and to apply modulations to the events triggered by the controls strips (CS) which are tautened on a support (9), said third means of command, the control strips (CS) and their sensor of bending, are used to trigger events designated by the finger control zones (3) which are juxtaposed on the flexible handling bar (1);

controlling instrument wherein the improvement comprises is that, said flexible handling bar (1) includes a spring (4) and a flexible tube (2) which are united, the spring (4) is inside the tube (2), the internal wall of the tube (2) surrounds the spring (4) along the spring (4), the turns (TU) of the [[a]] spring (4) arranged in a way that its turns (TU) are appreciably perpendicular with regard to the flexible handling bar (1) tube (2), the tube (2) is the body of the flexible handling bar (1), the spring (4) and the tube (2) allow the second means of command; and

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a strain gauge variable resistor (10) is connected by an extremity to a point of a control strip (CS) and by the other extremity to a point of the support (9) to allow the third means of command.

8 (PREVIOUSLY PRESENTED) The controlling instrument of claim 7 in which a strain gauge variable resistor (5) is arranged between two turns (TU) of the spring (4) and attached to these two turns (TU) in such a way that the resistance value of the strain gauge variable resistors (5) is modified when two respective parts of these two turns (TU) move apart from each other.

9 (PREVIOUSLY PRESENTED) The controlling instrument of claim 7 comprises a stress gauge variable resistors (5p) arranged between two turns (TU) of the spring (4) the resistance value of this stress gauge variable resistors (5p) is modified when a part of one spring (4) turn (TU) presses against it.

10 (CANCELED)

11 (CURRENTLY AMENDED) The controlling instrument of claim 10 7 in which grooves (G) are made on the circumference of the tube (2) between the finger control zones (3).